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ST. LOUIS, MO. WEDNESDAY, JULY 2, 1902.

Volume LV., No. 27.

THAT WORLD

WENNESDAY, JULY 2, 1902

STEADURS WORLD

WENNESDAY, JULY 2, 1902

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THE PROPERTY WITH THE PROPERTY WORLD

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THE PROPER

Department of Agriculture has isseed a timely bulletin calling attention to the fact that two valuable American game birds are so rapidly diminishing in numbers as to create fears that they will soon become extinct unless drastic measures are at once taken for their preservation. The birds are the woodcock and the wood duck. The first is, perhaps, the most highly esteemed of all our game birds, and to the genuine sportsman affords the most pleasurable excitement in discovering it in its almost inaccessible haunts. It is also highly esteemed by the epicure as the most toothsome of the feathered tribe. This excellence has doubtless been the main reason for its persistent killing on the part of the "pot hunters," who know no "close season," but kill ind seriminately all the year around. The natural habitat of the woodcock takes an extensive range from north to south, but is not often found beyond the 7th degree of longitude, and many of the states included in it give the birds no protection whatever. Missouri, we are giad to say, protects them the first seven months of the year. Of the middle states, Kansas, Llinois and Nebraska afford it no protection. Much the same conditions apply to the wood duck, and unless an engightened sentiment in favor of their preservation is soon manifested both are doomed to extinction.

SPRAYING FOR GRAPE ROT.—The

experiment stations in every state in the infon.

"New inst'tutions for the advancement of the study of husbandry are being established. While there are many agricultural colleges in the country that are doing great work for the advancement of scientific husbandry, by giving the farmers an opportunity to educate their sons in the science of agriculture, it is to be regreted that it is not given more attention by state universities. The study of agriculture should be a part of the upon entering school and continued until graduation. The earlier the study is taken up to entering school and continued until graduation. The earlier the study is taken up to entering school and continued until graduation. The earlier the study is taken up to entering school and continued until graduation. The earlier the study is taken up to entering school and colleges. I believe that even as a primary study it would be productive of much good, and, in fact, the issue of the study of husbandry covers such a broad field that a student, in order to be qualified for becoming himself an instructor, must be a specialist in many ways. The study of chemistry and its relations to the composition of the soil is by itself a vast field for special study. I am much pleased with the recent work of many of them can doubtless be much improved."

Service of the particle of the control of the contr

NEWS AND COMMENT.

J. W. Wilson, son of Secretary of Agri-ulture James Wilson, has been elected Professor of Agriculture and Animal In-dustry at the South Dakota Agricultural

Scientists in the West Indies have an-Scientists in the West Indies have analysed the volcanic dust recently thrown out by eruptions and report that it is "almost entirely deficient in fertilizing value." Or, it may be added, in any other desirable qualities.

President Roosevelt signed the Panama canal bill late yesterday afternoon in his temporary White House. Benator Hanna and Admiral J. G. Walker, president of the isthmian canal commission, were present, and the President presented to Mr. Hanna the gold pen with which the bill was signed.

At a meeting of Angus breeders at the Transit House, Chicago, on the lith inst., an offer was made by the Chicago -ock Yards Company to provide them with quarters in the new building which it proposes to build for the accommodation of all the pure-bred live stock associations in this country. The matter was discussed by the members present and a resolution was passed recommending the Aberdeen-Angus Breeders' Association to accept the offer. The new quarters are to be ready for occupancy on the 15th of October next.

There is great alarm in western Inuia because of the continued absence of the monsoon, the heavy rainfall which usually monsoon, the heavy rainfall which usually comes early in June. This nonappearance of the monsoon is traceable to the eruption of Mont Peice, on the Island of Martinique. The condition of the province of Guajaret causes intense anxiety. Meterologists declare, says the correspondent, that the eruption of Mont Peice deflected the monsoon a thousand miles to the westward. Wonder if this is what deflected our monsoon. We always thought drouth was caused by the conjunction of some meddling planets.

by the fruit growers and horticulturists of Southern Illinois for instruction in our various state institutions adapted to the believed that this is the first attempt in the United States to give instruction in this work. This course will be under the direct charge of Prof. George H. French. curator of the museum

An illustration of the desire for cheap-ness and its results is furnished by the St. Louis city hospital.

8t. Louis city hospital.
Dr. H. L. Nietert, superintendent of the nospital, has made complaint to Health Commissioner Dr. Max C. Starkloff that he milk delivered at the institution last was far below the standard. Hereofore the milk has been furnished by e concerns, and the quality was On Monday, however, a new conent into effect, the milk being nished by a dairy located on South

It vitalizes the blood, gives vigor and tone to all the organs and functions, and is positively unequalled for all run-down or debilitated conditions.

A COMPREHENSIVE TRIBUTE TO THE COW.

At a farmer's institute in West Park, Californ'a, Mrs. R. W. Rhea read a very interesting paper on the dairy industry and the part it has played in the develop-ment of the wealth and civilisation of California. The following just and com-prehensive tribute to the cow was the

California. The following just and com-prehensive tribute to the cow was the closing part of her address.

No animal is so pre-eminently practi-cal as the cow. Of all God's animal gifts to man she is the greatest. To her we owe the most. Examine into all the dif-ferent ramifications and channels of our carrished by a dairy located on South Broadway, the firm making the lowest bid, it being one-half cent per gallon less than the next highest bid. A chemical analysis has been made of the milk by Dr. C. Fischer, consulting pathologist of the hospital, who found that the specific gravity was 1036, when it should not be lower than 1030. The milk was found to be deficient in solids and to be adulterated with water.

Dr. Nietert stated that milk was the most important food furnished to the patients at the hospital, and that it was necessary to have it good. He also thinks that the contract should always be let to some party or firm that has some standing in the city and a reputation to main-alian. The state of the first of the control of the contro

Dairy-bred cows-	Milk.	Butter,
First year	8,284	446
Second year	8,580	
Average per year	8,432	458
Value of butter and		
per cow		
Cost of feed, per cow .	**********	27
** /		_
Net return		
74		
Common cows-		
First year	6,818	308
Second year	6,249	271
	-	
Average per year	6,588	257
Value of butter and	skimmed	milk.
per cow		
Cost of feed, per cow .		
The same states and the same states are		
Net return, per cow		\$27

The Illinois Agricultural Experim bilitated conditions.

Hoop's Fills care constitution, is cause the supply of cities, says:

The Dairy

DAINY INSPECTION.

At the meeting of fase GU Counted by the Food in the probability of the content of the probability of the probabi

SUMMER SOILING OF COWS.

H. C. Carpenter in "The Northwestern Dairyman," St. Paul, advises regarding summer feeding of cows as follows: Every dairyman has experienced the shrinkage that comes in midaummer, so disastrous to the profits of his business, when the cows are tormented as with a scorpion sting by the terrible flies. However, abundant the grass may be, it matters not. The cows stand bunched closely together three or four hours every day, not eating a mouthful of grass, at the same time stamping their feet, twisting their tails and violently tossing their heads in a vain endeavor to ward off the pain which the flies inflict. All this exercise which the cow is obliged to expend uses vital energy which would otherwise be used in manufacturing her food into milk. Notwithstanding this extra work and pain, the cow must suffer. We do not recognize the extra care she requires

MILK AND SOCIETY.

Amusing complications have resulted, from H. McK. Twombly, of Florham, N. J., serving his fashionable neighbors with milk and cream, the surplus products of his model dairy.

Mrs. Newcomer, who took a furnished house in the exclusive suburb on May I, hailed from a part of the country where the name of Twombiy is not so well known as here, and when she asked her next-door neighbor. Mrs. S., to recommend milkman, she became the innocent victim of Mr. S.'s fondness for practical jokes.



cers present were: D. k of Allenton, Mo., president; L. S. rsey, proxy for Vice President A. D. vins, Bunker Hill, Ill., and William A scher, No. 813 North Third street, St. ouls, secretary. A Ra'iroad Committee, r a committee of gentlemen, ose of hom lives on each railroad in the territory where most of the Association's business is transacted, was appointed to look after the matter of securing members. The committee is as follows: A. H. Mercer, Bunker Hill, Ill.; Robert C. Morris, Jr., Formosa, Ill.; R. Hirschfeld, Carlysle, I'l.; C. A. Olmstead, Sh'pman, Ill.; William Hagermann, Orchard Farm, and G. Nettemeyer, Albers, Ill.

The members say m.... is too low, selling now at the same price if has for several years, while other food products have advanced.

The organization will seek some method of relief.

MILK AND SOCIETY.

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Mrs. Newcomer, who took a furnished house in the exclusive suburb on May 1, hailed from a part of the country where hailed from a part of the country whe

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Horticulture

THE GARDEN'S MESSAGE.

with my safragrant flower is found, when summer spreads her asure skies, host of brilliant butterfies.

know not how each rover brings so much beauty on his wings; I only know the dark cocoon once h d this joyousness of June.

h wondrous grace is there, it seems to like the witchery of dreams; eyes behold, yet I am slow sense the transcendental glow.

the cruder chrysalis?

HORTICULTURAL TALKS.

rapidly, and unless this loss is made good by frequent rains, it is only a question of time when the soil will become very dry and hard. It is also well known to those who have given the matter attention, that in parts of plants exposed to air, water is constantly passing off by evaporation. This is, of course, much less in the older parts of the plants than in the new, especially from the leaves, which expose a large surface to the atmosphere. In fact, this is the chief source of evaporation from all of our higher cultivated plants. It has been estimated that the evaporation from leaves is about one-third that from an equal area of water; or in other words, the evaporation from a tree twenty feet high and containing about 700,000 leaves, high and containing about 700,000 leaves, during the growing season, amounts to several times the rainfall upon the area covered by its branches. Not only is this true, but a large amount of mosture is also given off by the growing fruit. How necessary, then, that this supply should be kept up so far as possible, during the hot, dry months of summer in order that the fruit may continue to grow until ripened up naturally.

work. A good many pears need it. By taking off one-third to one-half the freit where trees are overloaded there will be a gain in profit with no loss in buds.

Take off the imperfect fruit. See that pears do not touch each other on the treat of are evenly distributed.

Peaches will need no thinning with us this year, there being only an occasional one found on all but a few varieties. Alton and Hyslop are among the hardiest varieties. Some beaut full specimens of the Alton are to be seen in our orchard at present.

Good for Cow Peas—One-half bushel nitrate of soods scattered evenly on one acre of cow peas will double the yelid and hasten maturity.

It is not too late to sow them in the orchard. It will also pay well to sow them where potatoes and other early crops have been harvested.

A New Soja Bean—Black Soja is being tried at my place and is now, bearing a heavy load of pods, while other varieties show no pods at all. It is certainly very promising at present.

Fight the Borer—Take away a little earth from around the base of peach and plum trees and see if the borer is not at awork. Ashes, lime, or tobacco dust around the frees will keep out the pest they are the soil to the series of the series o The work of the soll where the control of the same way. Desired the work of the same way. Desired the work of the carry vectables grew. In the same way, prompting the work of the carry vectables grew, in the same way. Don't let the weeds go to seed.

If your hotbed frames are permanent the search where the carry vectables grew, in the same way, bord the work of th

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to become leaning. The trees when set should be sturdy and low headed. Such may then be set erect, otherwise it is well to lean the trunk to the southwest somewhat, as practical orchardists frequently recommend, and an effort made to secure a lower head.

Paring away the diseased parts and covering the wound with a mud plaster will assist the wound in healing. Stirt yellow clay mixed with cow manure to give toughness and prevent cracking, and containing also a small amount of sulphur, makes a good material for the purpose. A board, or two of them, nalled together trough-fashion and placed against the tree, answers a good purpose, as would any material affording shade, such as laths or corn stalks.—Ernest Walker, Ark. Experiment Station.

**REVERIES OF AN APPLE.

My cheeks are plump, my g'owing skin is decked with red and yellow dany le with red and yellow dand lofty hopes arise within:

I am a most ambitious apple.

Shall I, puffed up and high of heart, With pride I feel, but may not utter, Rise glorious into regal tart, Or sink in shame in apple-butter?

Shall I in rare roast goose's train As dainty sauce bid joy betide her. Or by some churlish rustic swain Be sucked up through a straw as cider with the pretty hopes were spoiled.

Alse's the pretty hopes were spoiled.

Which used its reverles to sweeten; Twas in a vulgar dumpling boiled, And in a dumpling it was eaten.

—Henry Moore.

CANKER WORMS.

These worms are doing so much damage that I send out this note of warning. You must spray the trees well with a Paris green mixture of 1 lb. to 100 gallons of water, to insure quick results. It is well to add 4 lbs. of lime well slacked and theroughly mixed to each 50 gallons of water. In spraying, do it thoroughly, and usually one application will suffice. If not, make another as necessary. In any case never let the canker worms destroy the leaves of the trees. These worms eat so ravenously that it is only are so easily killed with the Paris green spray that there is no excuse for not doing it. Where fungous diseases are prevalent, use the Bordeaux mixture also, with the other. This is made by using 6 lbs. of lime and 4 lbs. of blue virtol to 50 gallons of water.

L. A. GOODMAN,
Secretary State Horticultural Society.
Kansas City, Mo.

FERTILIZING THE ORCHARD. After the fruit is gathered in the fail we think is the time to manure the orchard. It will not then start a rank growth to be winter killed, nor will it increase the number of fruit buds, for they are formed before that time, but it should start 6 good, vigorous growth in the spring, and such fruit as may form will not drop prematurely, but if the buds are not too abundant will cling to the tree and develop handsome fruit if well cared for after they have set, by spraying and trimming if it is needed. We want no green barnyard manure in the orchard, but a well-rotted manure or compost heap.

Alas! the pretty hopes were spoiled Which used its reveries to sweeten; 'Twas in a vuigar dumpling boiled, And in a dumpling it was eaten. —Henry Moore.

THE LIGHTEST OF WOODS.

Deep in the bogs and swamps of South

Section of the sectio

The first sign of spring is a bee on a maple tree; and long before the other bits of animated nature find it out, those wise little creatures are on the afert. Many at time I have seen them quietly enjoying the first sweet meats of the season, crawling up and down the gray trunk of the sugar tree, while the snow still covered the earth and its insect inhabitants. How do they find it out? How do they know that on such a day and hour Dame Nature will open her halls of pleasure, and spread the first free lunch of the season, with the sweetest and daintiest of liquid refreshments for all who may choose to parfake? How does the small boy know when "marble time" is at hand, and just when it is "the thing" to doff shoes and stockings and appear in a state of nature? Who has not heard the injured one complain "It is barefoot time. Why can't I be like other boys?"

Surely there must be some secret, electric sympathy between spring and sunshine and boys and bees.

The care of bees is a most delightful occupation. Poets, thinkers, philosophers, statesmen, common people, have from variliest days enjoyed the society of the

tatesmen, common people, have from arliest days enjoyed the society of the heerful little insect, and studied its cu-lous habits. Literature is full of the oney makers, and without the bee and the hive, the blossom and the nectar, our language would be indeed bereft of its language would be indeed bereft of its most glowing pictures. Bees are not indigenous to this country. The first mention of them in print is where certain Spaniards brought them into Florida in 1763, and until quite recently the descendants of these swarms were the only hive bees we possessed. It is of these little brown bees that Hiawatha sings when he says:

Whereso'er they move, before them

Swarms the stinging fly, the Alemo; Swarms the bee, the honey maker.

Swarms the bee, the honey maker.

When I visited my bees this morning I saw at once that there was something the matter. Such restless motion, such struggling and tumbling over each other, such corkwood, or cork tree.

Science has given it a longer name, the Leitner's Floridana, because it was first discovered in Floridan, along the coast, from which it has long since been washed away. Some meagre specimens of it, two to six feet high, are still found in the swamp near Apalachicola, Fla., and a few near Varner, Ark., but in both these places it is exceedingly limited in number of the swamp near Apalachicola, Fla., and a few near Varner, Ark., but in both these places it is exceedingly limited in number of the swamp near Apalachicola, Fla., and a diameter of two to five inches, is it really a tree. What makes corkwood so remarkable is its exceeding lightness. Beyond a doubt, it is, as Mr. Wm. Trelease of the Missouri Botanical Garden has shown, the lightest tree in weight that grows. It is wood welghs less than cork. It is sool, though so spongy one may easily sink one's finger in it, is far tougher than don't be processor Nipher in St. Louis, is, 397. The roots are even lighter than the stem; as the specific gravity of corkwood, as learned from careful tests made by Processor Nipher in St. Louis, is, 397. The roots are even lighter than the stem; as the specific gravity of the lightness of the corkwood way be gained by a comparison to the roots are even lighter than the stem; as the specific gravity of the corkwood way be gained by a comparison to the roots are even lighter than the stem; as the proches of woods range between 400 and 300. Cork itself is 230. The tree that approaches the woods are great majority of woods range between 400 and 300. Cork itself is 230. The tree that approaches a large of the prochamatic processor when it is a large a two-gailon measure." Here woods a large than the approaches the prochamatic prochamatic prochamatic prochamatic prochamatic prochamatic prochamatic prochamatic procha Swarms the bee, the honey maker.
When I visited my bees this morning I saw at once that there was something the matter. Such restless motion, such struggling and tumbling over each other, such turning and twisting about in a manner unusual for these sedate little working folk. Like Mrs. Poyser, "I had my suspicions," and like dear old John Burroughs, I always feel defrauded if I am away from home when my bees



TIME THE COMPREDICAL CENTERS MISSOURI FIELDS AND THRIVING TOWNS OF KANSAS. AND TRADE CENTERS OF NEBRASKA.

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wise, or so unforgiving as the maxim would have them.

All over the world, especially in tem-perate sones, the honey-making bee flour-labes, and offers us the sweets of flowers and fruit. "Men may degenerate," says an old traveler, "may forget the arts by which they acquired renown; manufac-turers may fail and commodities be de-based, but the sweets of the wild flowers of the wilderness, the industry and nat-ural mechanics of the bee will continue forever the same, without change or de-

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Home Circle

My pa lives in the city;
He has a great big house,
An' such a tiny garden—
Won't hardly hold a mouse.
An' pa—he always hustles,
Just hurries all the while;
I guess my papa loves me
If he don't have time to smile.

Sometimes I go to grandpa's; He lives out on a farm; He's got cows, an' pigs, and horses An' a 'normous big red barn, An' there's an apple orchard An' cherries, too, in summer-But he has time to smile.

When I get big, I tell you,
I'm goin' on a farm.
The city is too lonesome,
In summer it's too warm;
An much too cold in winter—
No hills within a mile—
Most folks look cross, or t'red
An' almost never smile.

Now, down at dear old grandpa's
They're busy as a hive;
Yet everybody's happy
An' glad 'at they're alive.
The corn, an' pigs, an' everything
Keep growin' all the while.
But, best of all, my grandpa
Has lots of time to smile.
—M. M.

Written for the RURAL WORLD. ROSA AUTUMN'S LETTER.

dering ever since how we or any other farmer's family ever managed to do without them.

We butchered all our hogs last fall and as we have no pigs this summer we are giving all the surplus milk to the biddles and they are amply repaying us for it. Beginning May 28 we got 70 eggs in 20 28 we got 70 eggs in 20 Beginning May 28 we got 70 eggs in 20 days from six hens—all the others hav-

ing broods of young chicks.

The RURAL WORLD always has somening that I am looking for, and one of the latest ideas was the compost heap. I pulled up and raked together a huge pile of weeds and made them into a neat, compact heap, tramping them down solid, and was at a loss to know whether I should add any soil or fresh barnyard manure to "fill in" or not.

I purchased one-half bushel of artichokes this spring and am giving them good cultivation, with a view to raising a large crop next year for winter feed

for the cows, and would like to hear from those who have grown them.

A young farmer remarked at sheep-shearing time that he didn't see how any farmer could do without sheep, as he paid \$14 for seven head last fall and after selling the wool he had all but \$3.68 of his money back, having sold \$6 worth of wool and some to the butcher, and at li had it head left. Another farmer lost five fine sheep in two or three days this spring from the dogs, and while he had the satisfaction of killing the dogs, it falled to make good the loss, which he est mates at \$25, and he is strongly in favor of a dog tax. Another sheep raiser, thinking that "an ounce of prevention is better than a pound of cure," is reported to have gone to the carcasses of the slaughtered sheep and placed po'son in them, and in consequence many farmers are mourning the loss of a good watch dog.

Mrs. McVey, in what part of the county do you live? My home is in the south-western part of Texas county, only nine miles north of Mountain Grove, and we may not live so many miles distant from each other. Mrs. Greener, your articles are always eager's looked for, and I see that you do outdoor work as well as my-saff

self.
While we regret to lose Mr. Chubbuck
as editor, we "like the looks" of his successor and wish him unlim ted success in as editor, we cessor and wish him unimage cessor and wish him unimage his chosen work.

MISS ANNIE HOFFARTH.

THE HOME SCHOOL

Editor RURAL WORLD: In a recent letter from one of your contributors I noted a suggestion about educating the children at home. Assuming that this means only the very young children, and

We'tten for the RURAL WORLD.
ROSA AUTUM'S LETTER.
Rachel Armstrong. I am glad to see you mind same channels.
I am glad to see you mind same channels.
I am glad to see you mind same channels.
I called on any beart. Come to our Home Circle, and the seen as you can. I'm sure you will always find a welcome by our Editor and the members.

A few days ago I had such a delightfur fide to a little town four miles away.
I called on one of our young ministers, Rev. Fyke, and his wife, who are desarring the with their first born, a love, you of ten months. They were just trying to steady him in his effort to take the first steps from one to the other—spotent by a pleasant time with their first born, a love, it will be a aween the ment bears and a comfort to you when you are old. All those happy 'play times' with him now will be appeared and remembrance and a comfort to help you get over lonely times in after years.'
I saw in the child what, perhaps, hip parents did not see. There was a certain see what the man would be. He would turn around facing me, then let go the hold, raise up both hands and then steady him man and mean the state of the paper in the word, having learned the various sounds the same what the man would be. He would turn around facing me, then let go the hold, raise up both hands and then steady him man and the meant was drawn out to the little one, and is alide. "Take all the pleasure you can with your darling now; it will be a aweed the way for a hold in himself will frequently open the appropriate of the rough turn and the pleasure you can with your darling now; it will be a aweed to help you get over lonely times in after years.'

I saw in the child what, perhaps, hip parents would a the more what the man would be. He would turn around facing me, then let go the hold, raise up both hands and and then steady himmed and the steady him has been than the proving the proving the proving the proving the proving the provi appear pleasant remembrance and a conflort appearance of the state of the conflort and the "times of the conflort and times" of the conflort and times of times of the conflort and times of times of the conflort and times of ti

my boy trudging along, following the furrow or coming from the field astride one horse, while the faithful husband guides the other, and the happy voices of both reach my ears as I make the last preparations for our mid-day meal-"Blessings on thee, little man,

MRS. RACHEL ARMSTRONG. St. Louis Co., Mo.

Editor RURAL WORLD: Boiled salad

dressing can be made in large quantities in summer, and in a mason jar will keep for weeks in a cool place. The following recipe is reliable: Two well-beaten eggs, 1/2 teaspoon dry mustard, salt and pepper to taste, a tiny pinch of

chokes this spring and am giving them good cultivation, with a view to raising a large crop next year for winter feed states a fire pinch of a large crop next year for winter feed states a fire pinch of a large crop next year for winter feed states a fire pinch of a large crop next year for winter feed states a fire pinch of the distribution of the senior partner of the firm of F. J. Cheney & Co., doing business in the city of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE HUNDREDD DOLLARS for each and every case of Catarrh that cannot be cured by the use of Hall's Catarrh Cure.

Sworn to before me and subscribed in my presence, this 6th day of December, A.D. 1886.

Sworn to before me and subscribed in my presence, this 6th day of December, A.D. 1886.

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A. W. GLEASON, Notary Public.

Hall's Catarrh Cure is taken internally and acts directly on the blood and mucous surfaces of the system. Send for testimonials, free.

F. J. CHENEY & CO., Toledo, O. Sold by Druggists, 75c.

Hall's Family Pills are the best.

Important to Plano **Purchasers**

You can save \$50 to \$100 on a piano by securing one of those New Upright Pianos of a discontinued style (choice of actual leading standard makes) from Lyon & Healy. Also numerous bar-gains in slightly used planos returned from renting. New twentieth cen-tury style pianos on easy terms at tury style pianos on easy terms at much lower prices than you can obtain elsewhere. This is an unusual opportunity. Do not fail to avail yourself of it. Steinway, Knabe, Fischer, Krakauer, Sterling and five other makes of pianos are sold by us. Write for particulars and state about what sum you desire to invest. Prices run \$125. particulars and state about what sunyou desire to invest. Prices run \$125, \$135, \$150, \$165, \$200, \$225, \$250, \$300 and upward. Beautifully illustrated volume. "A Plano Book," free for the asking. Write to-day.

city, the unhappy ones where may be.

It is worth acquiring, oh brides of June as over the most and the most

WE HAVE HEARD **OF IT BEFORE**

There is no necessity for us to suffer pain and endure useless agony. There is a remedy for all aches and painsfor Rheumatism. Gout, Lumbage, Neuralgia, Sciatica, Pleurisy, Soreass, Stiffness, Headache, Backsche, Pains in the Limbs and Pains in the Feet, that remedy is

St. Jacobs Oil

It never falls. It acts like magic. Instantaneous relief from pain always follows. It has cured thousands of cases which had been given up as incurable. One trial will convince any sufferer that St. Jacoba Oli

Conquers Pain

Price, age and soc. SOLD BY ALL DEALERS IN MEDICE THE BAREFOOT BOY

By John Greenleaf Whittler.

Blessings on thee, little man—
Barefoot boy, with cheek of tan.

With thy turned-up pantaloons
And thy merry whistied tunes;

With thy red lip, redder at li,

Kissed by strawberries on the hill;

Kissed by strawberries on the hill;

With the sunshine on thy face,

Through thy torn brim's jaunty grace;

From my heart I give thee joy—

I was once a barefoot boy!

Prince thou art—the grown-up man
Only is republican.

Let the million-dollared ride!

Barefoot trudging at his side;

Thou hast more than he can buy

In the reach of par and eye—

Outward sunshine, inward joy;

Blessings on thee, barefoot boy! Blessings on thee, barefoot boy!
Oh for boyhood's painless play—

Sleep that wakes in laughing day, Health that mocks the doctor's rul Of the wild bee's morning chase of the wild flower's time and place,
Flight of fowl and habitude
Of the tenants of the wood;
How the torto'se bears his shell,
How the woodchuck digs his cell, LYON & HEALY, Address. CHICAGO.

lettuce leaves and you have something unusually nice.

Don't forget that the flavor of onlon is indispensable in these salads.

Remember Sydney Smith's classic lines:
"Let onion lurk within the bowl, and half conceal, yet animate the whole."

E. M. B.

HUMOR OR PATHOS.

Editor RURAL WORLD: Mrs. Mary Anderson deserves the thanks of all our readers for her paper in Home Circle.

Part and parcel of her joy—readers for her paper in Home Circle.

Part and parcel of her joy— Blessings on thee, barefoot boy!

Oh for boyhood's time of June, Crowding years in one brief moon When all things I heard or saw, I was rich in flowers and trees Humming-birds and honey-bees; For my sport the squirrel played, Plied the snouted mole his spade;

Oh for festal dainties spread Like my bowl of milk and bread;

Poultry

WHEAT FOR YOUNG CHICKS

oman the chicks can be raised on idusive diet of wheat. If this proves be pract cable it will simplify the broode business. It seems to be a rational prop sition for many reasons. Grain is the ture their diet is made up largely of the seeds of various plants and the origina Jungle fowl-which, by the way, closely Jungle fowi—which, by the way, closely resembles the game types—no doubt clucked her little brood to tempting seeds with which the exuberant vegetation of the Asiatic jungle abounded. Green food is not to be overlooked as well as intense feeding for eggs and fiesh in the mature bird, but the conformation of a hen's digestive apparatus, as well as its known habits, indicate grain to be its natural and preferred food. The wheat grain is a most beautiful example of a "balanced" ration for man, and there is no reason to doubt its thorough completeness as a d'et for young chicks; the husk or bran contains phosphates with which to make bones and nerves, the g'utinous portions just under the outside layer are rich in nitrogenous matter usually called protein. This is very important for growing chicks, as it is the material appropriated in the format'on of muscle or lean meat, and without which no growth is possible.

The staropy conter of the grain contains. and without which no growth is possible. at the corner posts, and at intervals of the starchy center of the grain contains the right proportion of carbonaceous elethe right proportion of carbonaceous ele-ment for the production of fat, heat and ment for the production of fat, heat and energy. Wheat is universal and easily fed. It would be interesting to try the wheat diet for young chicks and we would be glad to have expressions of opinion from our readers who are raising poultry. We take this occasion to add that letters from poultry keepers, great and small, will be welcomed. If you have anything new, tell it. If you want to know about any puzzling matter, ask and ye shall receive. That's what this department is for. Use it.

SQUARS FOR MARKET.

The demand for squabs (tame young pigeons) is greatly on the increase by restaurants, hotels, etc. A correspondent of the Rural New Yorker says that there is a fair per cent of profit for capital invested and time required to take care of a fock of pigeons, provided the person in the business takes a keen interest in what he is doing, and has a quick observing eye to detect little things. I have bred pigeons for squabs and for fancy since I was a boy big enough to own anything in live stock, sometimes only a few odd pairs, and they always paid me a goodly profit. The squab-raising business is just like the poultry business; a person cannot rush right into it and buy 1,000 pairs of breeders, put them into some small room and contained the politry business; a person cannot rush right into it and buy 1,000 pairs of breeders, put them into some small room and contained the politry business; a person cannot rush right into it and buy 1,000 pairs of breeders, put them into some small room and contained the politry business; a person cannot rush right into it and buy 1,000 pairs of breeders, put them into some small room and contained the politry business; a person cannot rush right into it and buy 1,000 pairs of breeders, put them into some small room and contained the politry business; a person cannot rush right into it and buy 1,000 pairs of breeders. ers, put them into some small room and then sit down and count the dollars. If you wish to be successful start on a nall scale, buy 10 or 20 pairs of breeders, and then get acquainted with each pair, their habits, their breeding quali-ties, the quality of the squab they raise; keep a record and find out which pairs ties, the quality of the squab they raise; keep a record and find out which pairs are your fastest breeders, and then raise future birds from them and keep improving the flock just as a poultry keeper improves his poultry in egg production. Keep no poor breeders, don't feed any unmated birds except young ones, and only odd birds till you have a mate for them. You can find a market for squabs in all large towns and summer resorts, and a l'mited trade in small towns. They bring different prices according to quality, demand, and the season of the year. I receive in the Philadelphia, Pa, market from \$1.56 to 33 per dozen for prime squabs. I was running a large poultry farm several years ago its Wisconsin, and we also had over 400 pairs of pigeons for market squabs, and the price ranged about the same in Milwaukee.

second wheat and whatever else I have, to give variety to their bill of fare. Feed twice a day; in the morning as much as they will clean up, and towards evening again My experience as to cost of feed for a pair of biffder per year is from 70 cents to \$1. 'The variation in cost depends upon the price of grain and how fast they breed, for the more pairs of squabe a pair raises to marketable age the more feed they will use. The numsearch of the farment of Volterium Teach and the process of the farment of the fa

\$75.00 CASH EGG PREMIUMS FOR

GROVE - POUTRY - YARDS" MAPLE -

MRS. DELLA MAXWELL, Fayette, Mo.

pieces of wire, so the netting will at all times be stretched up and will thus re-

times be stretched up and will thus re-main firm and look much better than where it is permitted to sag.

The poultry lot is a convenience in many ways. The fowls can be confined during the garden-making season or at other times when it is desired to keep them under control,

COLOR OF SKIN AND EGG SHELLS

It is beyond dispute that the color of the skin in dressed poultry and the color of the shells of eggs have some effect on the market price of poultry and eggs, al-though that this is due to ignorance or

CHARCOAL AS A REMEDY.

As the hot weather approaches poultry are as liable to diseases of the bowels as are human beings. A change of diet is good; as also is charcoal. Charred wood from the stove, says someone, is an excellent aid in arresting such troubles. Where the hens have not had a variety, parched grain parily burnt affords a desirable change, and serves nearly the same purpose as charcoal. Oats, corn. sirable change, and serves nearly the same purpose as charcosl. Oats, corn, wheat or even bran w.ll be readily eaten by hens when they have been regularly fed on a sameness of diet, and such food will greatly aid in arresting diarrhoea or other bowel disorders.

In experiments made to determine the benefits of charcoal in feeding, if any, four turkeys were confined in a pen and fed on meal, boiled potatoes and oats, and four others of the same broad were at

fed on meal, boiled potatoes and oats, an four others of the same brood were a the same time confined in another pe and fed daily on the same articles, bu with one pint of finely pulverized charcos mixed with their food. These had also plentiful supply of broken charcosl i their pen. The eight were kiled, an there was a difference of one and one half pounds in favor of those supplie with charcoal. They were the fattes and the meat was superior in point of tenderness and flavor.

PRACTICAL POULTRY TALK.

Editor RURAL WORLD:: Gradually the

EGGS from eight grand yards of SILVER, GOLD EN, WYANDOTTES, SEONZE TURKEYS SI POR 15, 15 POR 30. MRS. S. A. CREEL, Carroll ton, Mo., E. E. 2. Circular free.

PURE BLACK BREASTED RED GAMES. Cockerels \$1.50, Hens \$1.00, Trio, \$3,
Eggs in season, \$1.00 per 13.
Mrs. L. M. MONSEES,
LIMESTONE VALLEY FARM. SMYRTON, MO

\$5.00 Buys 100 Eggs.
\$1.25 One Sitting...\$2.00 Ten Turkey Eggs
Brown Leghorn. White Leghorn. Barred Rock
White Rock, Black Hinora and Erone Turkey.
Stool. For Stool Control of the Stool Control
E. W. GEEB. Farmington, Mo.

Eggs for Hatching. e Langshans, S. L. Wyandottes, S.C. eghorns, Buff Cochins, G. Seabright ams, M. B. Turkey and White China

J. M. STONE. Box 30, Hinton, Mo 15 Hage, \$1 FRESH HALE BARRED ROCKS
Also Breed Buff and White Rocks. Reporthe Poultry Ranch, New Florence, Me.

1882 REED 1902

Biggs for hatching, \$2 per 15, from prise-winning Lt. Brahmas, S. L. Wynadottes, scores \$1 to \$4.3-4. Right dealing. H. T. BEED, Camp Point, Ill. POULTRY PROFITS; making henolay; getting rid of mices and Honhatching; raising chicks, rid of mices and Honhatching; raising chicks, free with name of nearest agent for lee's Lieu Killer, the great insocicide. Ask for new catalogue, 680. H. LEK (W., Susha, Rebraha

STEM-WIND WATCH, CHAIN AND CHARM





Chillicothe Normal School Chillicothe Commercial Co Chillicothe Shorthand Coll Last years enrollment 706. \$130 pays to 45 weeks' board, tuition, room rent and use text books. For free Illustrated Catalogue address the control of the co

\$21.00 TO NEW YORK STOP-OVER at WASHINGTON



9 HOURS TO CINCINNATI.

Direct Line to Louisville

40---DUROC-JERSEYS---40

ows and Gilts of Best Strains. S. G. RICHARDS, Sturgeon, Mo. CHESTER WHITES

0, 1, C. SWINE Three Gilts will farrow in Sep-istered. Write for prices on pigs that are ready to ALVEY BROS., Argentine, Kas.

IMPROVED CHESTER WHITES.

RAUSCHER & SON, Ashton, bo. O. I. C. A CHOICE LOT March, April and May Pigs for sale.
S. R. MCCULLOCH, Donnellson. Ill.

B. RAUSCHER & SON, Ashton, bo.

O. I. C. A GEOICE LOT March, April and May Philor LOTHNAS.

Sol. B. McCULLOCH, Dennelleen. Ill.

POLAND-CHINAS.

Sol. B. Piss by U. S. Ohief Tecumsch 1d, U. S.

M. B. Black Chief's Rival, S. Dams of creal breeding.

I. A. Spring S. Jacob, Ill., near St. Louis.

Walker V. S. Ohies arm Herd-Poland Chinan, Black U. S. Ohies are received in the hard the standard progressive people and have made great strices along many lines, but if Bakewell were to return at the present time would not find things very much different from what they were in his day. Has it ever occurred to you that the ability to judge live stock Correctly and segistatered fee best strains of Poland-China Rogs.

FOR SALE at reasonable prices P. O's of winter than and spring farrow and one spood years. Ill. Boar. A. B. Parkey eggs eleven for 18. Stands price for sale at all times.

FOR SALE at reasonable prices P. O's of winter for the best strains of Poland-China Rogs.

Sunger strain. Barred Plymouth Rock edgs fitter for glad.

I. JORES, R. R. S. Pawnee. Ill.

POLAD CHINAS. grees and indicated the price of the best strains of Poland-China Rogs.

All College Regular Reverbire Brood Sown and on the story of the best of justice for one that is qualified to be head buyer for Swift & Company.

A famous artist was once asked what was the first essential to success in his work. He replied, "To see right." Just so in the judging of stock, observation and judgment are the factors which determine whether or not the man its successful. The man must be a close observer in order that he may detect at a glance the desirable and undesirable points in an animal. He must always see the animal as it is. Too many would-be judges see things which are not there and fail to see things that are before them. Good judgment is indispensable, an experience whether provided the price of the price of

The Pig Pen

When the control of the

An excess of corn in the diet of the sow and also of the young pigs is apt to produce accura. The pigs should have no corn until six weeks old.

"Black teeth" in pigs was once supposed to be the cause of nearly every trouble they are heir to. It is a myth, and to be classed with "hollow horn" in cattle.

When your hogs are ready for the market sell them. The man who holds his pigs for a rise in price is very often apt to lose money, while he who sells when the hogs are ready usually makes a profit. Hogs will consume food enough to more than offset the expected rise in the market.

Wheat is a very good gra'n to feed to hogs. The best way is to roll or grind it into a coarse meal. It may then be fed

And the first beautiful to the control of the contr

FOR BROOD SOWS AND PIGS. VOLIN, SOUTH DAKOTA.

International Stock Food Co., Minneapolis Minn. GENTLEMEN:-"International Stock Food" gives excellent satisfaction to all my customers. I have used it and can say that for brood sows and young pigs it is the best preparation I have ever used, both to maintain health and promote growth.

L. G. PALMER, Druggist and Stockraiser.

A \$3000.00 STOCK BOOK

International Stock Food Co., MINNEAPOLIS.

POLAND CHINAS

Best breeding and individuality. Barly spring Pips, both sexce by Chief Bolipse 2569, co-creted Fife and Sunshine Chief Fries for sail at transmission prices. Address 30 ml. E. K. C. E. E. AXLINE, Oak Grove, Mo.

SUNNYSIDE HERD.

Prize winning Berkshires and Shorthorn Cattle—young stock—for sale at all times. Address HARRIS & McMAHAN, Lamine, Mo.

FINE BERKSHIRES

Of the best families at farmers' prices. Write for what you want, or, what is better, come and inspect the stock.

W. H. KER, Prairie du Rocher, Ille.

WE have 24 very fine Gilts and Sows bred; all safe, and some are farrowing now. Prices right. Come and see them or write at once.

J. T. POLLARD, Fulton, Mo.

Angora Goats For Sale

I have at Morris, Kansas, 10 miles from Kansas City on the Santa Fe railroad, about one thousand head of Angora goats, consisting of recorded, high class and grade does, also some wethers for brush cleaning purposes. These goats will all have to be sold some of these animals should addre W. T. MCINTIRE, 221 Live Stock Exchange, Kansas (Ity, Me.

"Invincible, Unsurpassable, Without a Peer,"

Writes a regular subscriber, who has read it for many years, of he Twice-a-Wook issue of the

St. Louis Globe-Democrat

and this is the unanimous verdict of its more than half a million readers. It is RETOND ALL DOMPARISON, the biggest best and cheapest national news and family journal published in America. It is STRUCTLY REPUBLICAN in politice, but is above all ANEWSPAPER, and gives ALL THE NEWS promptly, accurately and impartially. IT IS INDISPENSABLE to the Farmer, Merchant or Professional man who desires to keep thoroughly posted, but has not the time to read a large daily paper, while its great variety of well-aslocied reading matter makes if an INVALUABLE HOME AMD FAMILY PAPER.

Two Papers Every Week. Eight Pages each Tuesday and Friday. One Dollar For One Year. Sample Copies Free.

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Rural World and Globe-Democrat-Either Address, Both for \$1.50 net.

R, GOLD. URKEYS GAMES.

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GES. AND \$100,000 col-board and

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The Markets

and 73½c, 74½c E. side: No. 3 red at 71½c, 73c E. and 72c, 73c W. side: skd. new in elevator at 72½c for No. 2 red, 70½c for No. 3 red, 60½c for revator at 1252c for No. 2 red, 7052c for No. 3 red, 8552c for No. 4; No. 2 red at 78c W, and 7852c E. side; No. 3 red at 74c, 78c W, side; No. 2 hard lown yellow at 7552c; No. 2 spring at 7352c and No. 3 spring at 256c W, side.

CORN—By sample No. 2 sold at 69% 676° c and No. 3 at 65½ W. side; No. 2 yellow at 66% and No. 3 yellow at 66% c and No. 3 yellow at 666° W. side; No. 2 white at 66% E. side.

V. side; No. 2 white at 66% E. side.

OATB—By samp e No. 2 sold W. side at 49% E. and 670° W. side; No. 4 white at 660° E. side.

OATB—By samp e No. 2 sold W. side at 49% 60% and as high as 51½ pald for fancy; No. 4 at 496° W. side; No. 3 nominally 49½ 650°; No. 2 white at 52½ 653½ C. No. 2 white at 52½ 653½ C. No. 2 white at 52½ 653½ C. and No. 4 at 52½ 653½ C. and 50° fancy; all W. side;

bout 80c; ships at 95c to \$1.

RYE FLOUR-Jobbing at \$3.20 in sks. 1 \$3.45 in bbls CORNMEAL—City meal f. o. b. \$3.15;

grits and hominy \$3.50.
Y—Timothy at \$14.50@15 for choice,
for No. 1; \$11@12 for No. 2; low
s \$7@3; clover-mixed \$7@11; clover, grades \$7@9; clover-mixed ***Will, No. 1, \$11@12; No. 2 \$3@10.59; prairie, this side, at, No. 1, \$8.50@9; No. 2, \$7@8; choice

at \$10. STRAW-Wheat at \$464.50; oat at \$6; rye at \$5 on trk.

PRICES ON 'CHANGE.

The following tables show the range of prices on future grains:

Closed Range Closed

	Saturday.	Yeste	rday. X	esterday
Sept.	70½	72	@73	721/21/272%
	70¾@70% a	72	@72%	72%@72%
	73¼@73¼	733	@74%	73% b
Sept.	65¼ a	65%@66½		65%
	56%	56%@67¼		56% a
	43% a	43¼6		43% b

Oats—
July ...36% b 38%@39 39 a
Sept ...29% b@... 31%@31%
COTTON—Local spot quotations—Ordiry, 7%c; good ordinary, 8%c; low mid-ing, 8 9-16c; middling, 8 15-16c; good mid-ing, 9 13-16c; middling fair, 9 11-16c.

dling, 9 13-18c; middling tair, 9 11-18c.
WOOL-Missouri and Illinois—Choice
combing and clothing mixed, 17%c; clothing, 17671/4c; braid, 18%difc; burry and
clear mixed, 15617c; burry, 13613%c;
hard burry, 10611c; light fine, 14%difs/4c;
heavy fine, 11b13c. lowa. Wisconsin and
Minnesota—Bright medium, 18617c; dark.
14%difc; light fine, 12%dif4/c; heavy fine,
18621c. Angora goat hair—Clear, 18629c;
slight burry, 3616c; hard burry, 10c. Kansas. Nebraska. Dakota and Wisconsin—
Bright medium, 18618/4c; dark, 13614c;
light fine, 12614c; heavy and buck, 9611c.
Texas. Indian Territory and Oklahoma—
Medum, 18/4c; coarse and low, 13615c;
light fine, 13615c; heavy sandy, 9611c.
Arkansas and Southern—Medium (fleeces),
17617/4c; medium (loose), 18618/4c; burry,
28/4613c; hard burry, 2694/c. Tubwashed uri and Illinois-Choi **24**@13c; hard burry, 9@94c. Tubwashed -No. 1, 24@244c; No. 2, 20@21c; burry, 15@

BUTTER-Scarce and firm. Quotations Creamery—Extra, 22622½c; firsts, 19619½c; seconds, 17618c. Dairy—Extra, 18618½c; firsts, 17c. Country—Choice, 15½c; fair,

REGIOC.

CHEESE—Jobbing: Twins at 11c; singles, 11½c; dairies, 11½c; Y. A., 11½c; long orns, 11½c; Limburger, 10@10½c. Swiss—tholce, 16@17c; No. 2, 12½@13c. Brick,

WATERMELONS-Florida, \$85@150 per

ar.

RASPBERRIES-\$1.10@1.25 per 3-gal.
ray; red, \$1.75@2 per 6-gal. basket.

CANTALOUPES—Alabama, 50@65c per
alf bu; \$1.50@1.75 per 6-gal. crate; homerown, \$1.95@1.35

at 52@33c, and No. 4 at 52½@53½c, and 53c of fancy; all W. side.

RYE—No. 2 at about 60c.

BARLEY—At 65c.

FLAXSEED—\$1.50.

BRAN—At about 79c to 81c; at mill about 80c; ships at 95c to 31.

RYE—FLOUR—Jobbing at 33.20 in sks.

CHERRIES—Tennessee. Missouri and Illinois, \$2.55@2.50 per 6-ga. crate; homegrown, \$1.25@1.40 per 3-gal. tray.

PEACHES—Texas, pecks, \$2.60c per ½-bu, basket. Arkansas, 1-3 bu. box, \$406.

50c; Tennessee pcks, \$55@55c; Alabama, \$606.

ET PEACHES—Tennessee. Missouri and Illinois, \$2.55@2.50 per 6-ga. crate; homegrown, \$1.25@1.40 per 6-gal. crate; \$2.60c per ½-bu, basket. Crate; \$75@\$1.10 per 6-gal. crase.

BLACKBERRIES—Consigned, \$1.50 per

PLUMS-Texas, 40@50c for Chickasaw ellow per flat crate; Alabama, 50c for ellow in 1-3 bu. box; wild goose, 65@75c

per crate.

APPLES-\$467 per bbl. New ApplesTexas red, 85c@\$1; green, 20@30c per 4basket crate; red June, 40@60c per 1-3 bu.

CABBAGE-10@20c per bu. box; 50@60c per bbl. on orders.
ONIONS—New Orleans new, \$1.10 for large; near-by yellow, 50@62½c; red, 65@

TURNIPS-Home-grown, 20c per doz.

bunches.

POTATOES—Near-by, 50@65c, del.;
home-grown, in wagons, 65@73c.

TOMATOES—Texas, 50@90c; cons'gned,
40@50c per 4-basket crate; home-grown,
\$1.50@1.75 per bu.

GOOSEBERRIES—\$1.50@2 per bu. for
consigned \$20@25 6-20; case.

to good, \$75@90; choice to extra, \$100@135; fancy gaited and New York saddlers, \$150

Section Contract Cont

SORGHUM CANE SEED—Best kind at \$1.25 per 109 pounds.

SORGHUM—Prime new quotable at 206 25c per gal.

MAPLE SUGAR AND SIRUP—New sugar at 8c per pound; Canad an at 13c; maple sirup at 60c to 90c per gal.

ONION SETS—At 2.60 per bu.

GRASS SEEDS—Hungarian at 31.20; miliet at 31.1561.20; timothy at 3c; prime seeds worth more.

DRIED FRUITS—Apples—These sold at 3c to 5½c for sun-dried quarters, and at 7½c to 9½c for evaporated rings. Chops at 1611½c to ½6½c. Peaches—Sun-dried halves, 2c to 2½c.

HUCKLEBERRIES—SQR.250 per 6-gal.

CRAIC.

COlumbia, Missour, July 1, 1902.

Section Director. Columbia, Missour', July 1, 1902.

The last two weeks have been almost ideal harvest weather. Barring one day of rain, the harvest has made undelayed progress, and to-day finds more than so per cent of an almost unprecedented wheat crop in the shock. The threshing machines will begin work before these notes are in type. The yield is variously estimated from 15 to 30 bushels. There is an excess of straw. The berry is of excellent quality, but the heads are of the product that is true value. There are people is an excess of straw. II per 4-basket crate; 75c@\$1.10 per 6-gal. case. STRAWBERRIES—Home-grown, \$1.59 @2 per 3-gal. case; Michigan, \$1@1.25 per ever make. Flax generally good—some in-

ever make. Frax generally good—some in-jured by weeds. Corn prospects are seldom more favor-able; ground too wet to cultivate in some sect'ons yesterday. Ninety per cent or more of the cultivation is completed and the soil is in royal condition and free of weeds.

the soil is in royal condition and free of weeds.

Vegetables are fine and plentiful. Our people are well fed and well clothed, and are as industrious and ambitious as anyunder the sun.

Western Missouri has practically harvested her wheat and laid her corn by, and, according to newspaper reports from Topeka, Kan., is furnishing hands to take care of the wheat in that commonwealth. Missouri has always been kind to those people. In their adversity she sent them food and raiment a quarter of a century ago, and now her younger sons listen to their Macedonian cry and go over and help them take care of their excessive harvests.

over and neith them take care of their exponents. Subject to their exponents. Subject to their exponents. Subject to their exponents. Subject to the consigned. \$262.25 6-gas. case.

GREEN CORN—10815c per doz. for home-grown.

CURRANTS—Consigned. \$1.2561.50 per 6-gal. tray.

HORSES—The offerings of native horses were light, as an opening for the week, but what there were of them sold briskly under a very good general demand, and at prices which were in most instances comparatively satisfactory. The better classes sold particularly well, especially a few chunks of good to choice quality, which ranged variously from \$11.596[150.0].

The market was looking up a good deal owing to the arrival of several new buyers from the south, principally Alabama and Louisiana. They wanted nice, smooth, little horses on the driver order.

Heavy draft—Common to good, \$1206/150 to 1350 pound—Fair to good, \$866/380; good to choice, \$856(110). Coach horses and cobs—Fair to good, \$866(180). Small, light drivers—Fair to good, \$366(380); choice to extra, \$306(300). Business drivers—Fair to good, \$36(110); choice to extra, \$306(310). Suthern drivers—Fair to good, \$306(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310). Suthern drivers—Fair to good, \$36(310); choice to extra, \$306(310); choice to extra, \$306(310); choice t cessive harvests.
With favorable conditions to save our

INDIAN TERRITORY LETTER.

The farmers of Texas have been on the "anxious seat" for the past three weeks, but now the "sgony is over," and we have become reconciled to the fact that the corn crop is almost a total failure. It has been dry for a month, with still no indications of rain. We really had very little rain at any time during the spring, and there is no surplus to draw from. Cotton is also beginning to suffer some. Chinch bugs are taking what little juice there is left in the corn. This calls to mind W. H. Kern's experiment with sorganum and chinch bugs. I believe it a good idea and will bear investigation. I notice the bugs prefer sorghum to corn, and seem to hurt sorghum less where it is planted thinly in drills and cultivated. Sorghum gets more moisture out of the soil, and is therefore injured less by chinch bugs.

Yes, Mr. Hoyt, the oleo law is only the "entering wedge" in pure food legislation.

Let us begin a warfare against so-called "pure leaf lard" that is made of anything but leaf fat from hogs. You may buy lard compound or "cottolene" much cheaper than this pure (?) lard, but which is practically the same. If we must have an adulterated product let us have it at its true value. There are people who have used adulterated products till they wouldn't know the pure article if offered to them.

wouldn't know the pure article if offered to them.

We I ke to read of the good crop prospects in Missouri and other states, for we wil have to buy corn from you this year. We have waited patiently for a good crop, but have almost gotten to the point where "patience ceases to be a virtue." 'roor old Texas" needs the "water cure," but she can absorb more water than other states, and her pro rata for 1902 seems to be getting too much rain. Truly, "it never rains but it pours."

H. F. GRINSTEAD.

MACON CO. (MO.) CROP NOTES.

Enter RURAL WORLD With the coning of the rain on the first of May, which
ended our long drouth, things are resuming their old-time shape again. I have
never seen better prospects for crops
generally. Wheat is extra good, and is
cut and in shock. Oats are Al, but the cut and in shock. Oats are Al, but the acreage is short owing to the high price of seed. Corn is being laid by and is beginning to tassel; it is good in the bottoms and on uplands. Gardens, too, are full of vegetables. which were very scarce last year on account of the drouth. Meadows will make a 75 per cent crop of hay. Pastures are good, and stock generally is doing well. Hogs are very scarce. We will have but little fruit.

JAS. L. LOVE.

WHEAT WITH TIMOTHY.

In September the seed was sown. As a protection to the grass, something less than four bushels of wheat was drilled in with the timothy seed.

Last week the wheat on this ground was harvested, requiring 18 pounds of twine with which to bind it. The yield of wheat in this section is unprecedented.

Meadows are good. Pastures excellent. Stock are doing well and the farmer returns thanks.

Linnwood Farm, Miller Co., Mo.

A few days ago Mr. Scott, our "field man." paid a visit to Mr. John Morris, Chillicothe, Mo., well-known as a breeder of high-class Shorthorn, Berkshire swine and Cotswold and Shropshire sheep. He found all in excellent shape. Mr. Morris' present herd buil is the Scotch bred Golden Sympathy 151656, by Golden Crown 119412, dam Sympathy, by Minotaur 11294, second dam Sunflower, by Double Gloster \$5528, third dam imp. Sunbeam, by Dumbiane. He is a splendid individual and a great sire. Mr. Morris has several young buks for sale sired by Golden Sympathy, Mr. Gentry's Victorious and Mr. Gunther's \$1.000 Kirklevington Duke of Wooddale. He also has a nice lot of Berkshire pigs as well as several rams bred, and about 50 yearling Cotswold and Shropshire rams for sale.



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other points of excellence and superiority, such as EASY RUNNING, DURABILITY, ENCLOSED GEARS, SAFETY, SELF-EMPTYING BOWL, STABILITY, BEAUTY, ETC., proves conclusively that

THE U. S. EXCELS ALL OTHERS. VERMONT FARM MACHINE CO., BELLOWS FALL'S, VT.

crop; wheat not very good either, prob-bly 75 per cent said to be damaged by veevil, so can't tell how it will be until hrashed. Oats looking fairly wel. Hay naking is now in progress, but the weather is not good, as it is too cool and ains nearly every day. Wheat will be ready to harvest in about ben days. Potatoes growing rapidly, early ones soon ready for the table. Not many bugs yet to far. Strawberry crop was good; will

rarmer requests information about hand ing corn stover. Will say, to start with, in order to qu'et his seeming apprehensions of trouble, there are no more difficulties to overcome than occurs in handling short clover hay. After stacking the shredded fodder it needs protection from the weather the same as clover. The writer has run shredder and baler at same time, dropping the stover from the carriers directly into baler. This plan has worked very satisfactorily, although there are some details connected that one w he experience which are objectionable. For shipping and commercial purposes would advise the use of three wires. For home use two is sufficient.

The inquiry of "Young Farmer" is another evidence of the general interest being taken to utilise a valuable product

eing taken to utilize a valuable produc that in the past has been wor Broad-Vale Farm, Howell Co., Mo.

FARMING SPECIALTIES.

Editor RURAL WORLD: The most Editor RURAL WORLD: Last fall a farmer here prepared 14 acres of land to be seeded to timothy.

In September the seed was sown. As a protection to the grass, something less than four bushels of wheat was drilled in with the timothy seed.

Last week the wheat on this ground was harvested, requiring 18 pounds of twine with which to bind it. The yield of wheat in this section is unprecedented.

Editor RURAL WORLD: The most Editor RURAL world was specialty in farming is governed by three factors—soil, climate and market. The great diversity of soil and climate possessed by this country makes it practically possible to grow almost any farming product successfully which can be raised anywhere else in the temperate zone.

ra sed anywhere else in the temperate sone.

The expressions, cotton, corn and spring wheat belts, have been in common use for several decades; these, while implying in a general way the climatic limits for the most successful production of these staples, was never meant to imply that these staples could not be grown successfully outside of the limits generally laid down, nor yet that other products might not be grown inside these lines of demarcation which might be as profitable, or even more profitable than the staples named. The expression "Belt," as applied to these three staples referred only to climate. As a matter of fact, there is as rich corn soil in the spring wheat belt as anywhere else on the continent, but the hot season is too short to mature corn. The same remark applies to the corn belt with reference to the growth of cotton.

Many of your readers have a notion of



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rickets and information at City Ticket Office, S. W. Corner Broadway and Olive Street, St. Louis, Mo.

ogs and cattle, but they cannot do it as

hogs and cattle, but they cannot do it as cheaply as they can in the district where the necessary rations for the purpose can be had at a lower cost.

Cattle can be fattened as well in Texas as they can be in Illinois by using corn. cottonseed, hay and ensilage in winter. or grain, bran and cottonseed meal fed with grass in summer. But on acount of climate, while Texas is probably the most favorably located of any state in the Union for breeding cattle, it is inferior to northern states for growing and maturing them on account of its long, hot, ening them on account of its long, hot, enervating summers.

ervating summers. The agricultural papers of the middle west give but scant space to the farming interests of the Atlantic slope, although farming in that section is in a much more advanced stage, scientifically, than it is in the west, and the life of the farmer much more strenuous than that of the average western farmer. There the individual farmer rarely indulges in any speciality or grows the same crops, and from experience learns the best preparation for each succeeding crop; also to save up and apply all farmyard manure and refuse and apply it to the soil. He is a believer in mixed farming, and will be invariably found with his little bunch of cattle, sheep and hogs, a serviceable orchard and truck patch. If he indulges in any speciality it is only a leader, not the whole show, as we often find it in the west. He has also learned, and is rapidly adding to his knowledge, of the profitable applica-The agricultural papers of the middle

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